

ABSTRACT

This case is about the rotating electric machinery in which between the rotating shaft of the electric machinery and the electric machinery rotor or between the electric machinery rotor and the stator, or between the rotating shaft of the electric machinery and the stator, there is installed centrifugal force producing axial pulling structure and there is installed axial pre-stressed spring, and to the rotating shaft of the electric machinery there can be optionally installed axial position limiting structure, and by making use of the speed of the electric machinery rotor, the electric machinery rotor is modulated to produce corresponding axial displacement, and further to modulate the electric machinery characteristics between the electric machinery rotor and the electric machinery magnetic field.